

3,600 S. L.A. County
West Le~~o~~ution Landfill
215912

JOHN ASHCROFT
Governor

G. TRACY MEHAN III
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

CO-WIMP
RECORDED
Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks, Recreation,
and Historic Preservation

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office
8460 Watson Road, Suite 217
St. Louis, MO 63119
314-849-1313

June 1, 1989

Mr. Michael J. Whitlock
Laidlaw Waste Systems, Inc.
13570 St. Charles Rock Road
Bridgeton, MO 63044

RECEIVED
JUN 6 1989

WASTE MANAGEMENT
PROGRAM

Dear Mr. Whitlock:

Enclosed is a report of an inspection conducted by Mr. Kevin Arnold of my staff. No violations were noted during the inspection.

Please review the enclosure, and if you have any questions, please contact me.

Sincerely,

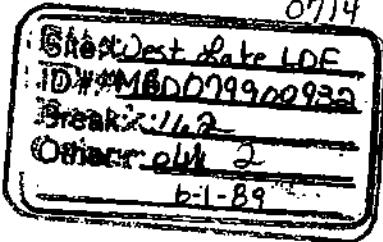
ST. LOUIS REGIONAL OFFICE

FDW/dlw for

Stuart Bean
Chief, Solid Waste Management Unit

SB/dlw

cc: City of Bridgeton
St. Louis County Health Department
Mr. Scott Schreiber, Laidlaw Waste Systems
Central Office - Waste Management Program



40249219



SUPERFUND RECORDS

DN R 0038

3,600 St. Louis County
West Lake Demolition Landfill

SOLID WASTE FACILITY INSPECTION REPORT

Facility

West Lake Landfill
St. Louis County
Demolition Landfill
MO DNR Permit #218912

Introduction

An inspection of the West Lake Demolition Landfill was conducted on May 25, 1989, to assess compliance with applicable requirements pursuant to the Missouri Solid Waste Management Law. Mr. Michael J. Whitlock and Mr. Scott Schreiber represented the facility, Mr. Brad Bomanz represented the St. Louis County Department of Community Health and Medical Care, and Mr. Kevin Arnold represented the Missouri Department of Natural Resources.

Findings

1. Overall, the facility appeared to be operated properly.
2. Additional soil cover was needed over areas being subjected to heavy vehicle traffic.

Discussion

The demolition landfill portion of the facility was found to be in reasonably good condition. However, vehicular traffic over the previously covered portions of the landfill has disturbed the wastes causing minor waste exposure. Redressing and additional cover material should be applied as needed to prevent resurfacing of previously covered wastes, and to minimize stormwater contact with any uncovered wastes.

Recommendations

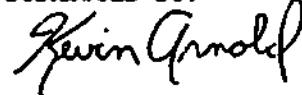
1. Continue operations as observed.
2. Increase efforts to maintain the integrity of the soil cover.

APPROVED BY:



F. Donald Maddox
Regional Administrator
St. Louis Regional Office

SUBMITTED BY:



Kevin Arnold
Environmental Specialist
St. Louis Regional Office

FDM/KA/dlw

MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality

DEMOLITION LANDFILL SURVEILLANCE RECORD

Date: May 25, 1989

Days/Week Open: 6

Name of Demolition Landfill: WESTLAKE (LAIDLAW) DEMOLITION LANDFILL

Permit No.: 218912

County: ST. LOUIS

Owner: LAIDLAW WASTE SYSTEMS INC. (BRIDGETON)

Operator: SAME

Address: 13570 ST. CHARLES ROCK ROAD

Address:

BRIDGETON, MO. 63044

I. Remaining Life of Landfill:

Permittee: WEST LAKE LANDFILL INC.

A. Estimated quantity of waste accepted,
1800 yds or tons/wk.

Address:

B. Estimated life of remaining landfill
approved by engineering plan
>2 yrs.

C. Fixed operating term date,

JUL 25 1989

II. Check all subsections: SAT-Satisfactory, UNS-~~Unsatisfactory~~; or NA-Not Applicable
If necessary, describe "UNS" violations under "Remarks".

	SAT	UNS	NA		SAT	UNS	NA
10 CSR 80-1.01C Permit Issuance, Special Operating Permits, and Permit Amendment							
(3)(1) Authorization to operate obtained prior to acceptance of waste.		X		(4)(C)1.	Boundary markers, benchmarks, horizontal control stations replaced or re-established.	X	
(3)(1) Site constructed and operated per approved terms and conditions of permit.	X			(4)(C)2.	Missing or displaced benchmarks or horizontal control stations replaced or re-established as necessary.	X	
10 CSR 80-1.060 Certified Solid Waste Technician.				(4)(C)3.	Missing or displaced construction stakes replaced or re-established as necessary.	X	
(3)(1) Site operated by a certified solid waste technician Name: <u>MIKE WHITFIELD</u>	X			(4)(C)4.	Permanent monuments and boundary markers placed prior to receiving authorization to operate.	X	
10 CSR 80-1.01J Demolition Landfill Design and Operation				(4)(C)5.	Construction stakes marking the active area placed prior to deposition of waste in individual areas.	X	
(3)(C) List of solid wastes to be accepted displayed at the site entrance.	X			(3)(C)1.	Surface waterscourses and runoff properly diverted from the landfill. Landfill construction and grading to promote rapid surface water runoff without excessive erosion.	X	
(3)(C)1. Disposal of special wastes approved in the permit conducted in accordance with approved design and operating plans.	X			(3)(C)2.	Contact with solid waste is minimized by daily operation.	X	
(3)(C)2.A. Written approval from the department obtained for special waste not approved in permit.	X			(3)(C)3.	Leachate collection system properly installed and operated in accordance with the permit and approved plans.	X	
(3)(C)2.B. Approved special waste disposed of properly.	X			(3)(C)4.	Leachate constructed in accordance with approved design specifications.	X	
(3)(C)3. Operating procedures for screening and removal of excluded wastes implemented.	X			(7)(C)4.	Leachate generated on-site controlled on-site and not allowed to discharge off the demolition landfill or discharge into waters of the state.	X	
(3)(C)4. Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X			(7)(C)5.	Leachate and runoff managed in accordance with the Missouri Clean Water Law and rules.	X	
(3)(C)5. If access roads or public roads are flooded, alternate sanitary or demolition landfill is available.			X	(8)(C)1.A.	Groundwater monitoring wells installed per approved plans.	X	
(3)(C)6. Construction and operation of the site is conducted in accordance with engineering plans and specifications.	X			(8)(C)1.B.	Groundwater monitoring wells operational prior to acceptance of waste, unless other arrangements are approved.	X	
(3)(C)7. Minimum fifty foot buffer zone maintained between site operations and property boundary.	X			(9)(C)	Burning of solid waste prohibited unless a burning permit is obtained from the department or, when appropriate, local pollution agency.	X	
(3)(C)8. Operating manual available to employees and the department.	X						

	SAY	YES	NA	
(12)(C)1.	Decomposition gas or ^{methane} released as necessary to prevent ignition and accumulation.	X		
(12)(C)2.A.	Decomposition gas not allowed to concentrate in dwellings on-site above twenty-five percent LEL for methane.	X		
(12)(C)2.B.	Decomposition gases not allowed to concentrate in the soil at the property boundary above five percent LEL for methane.	X		
(12)(C)3.	Decomposition gas monitoring results submitted to the department as required by permit.	X		
(12)(C)4.	Landfill operated in compliance with applicable requirements of Chapter 641, RSMo and rules.	X		
(12)(C)5.	Vactor control programs implemented when necessary.	X		
(12)(C)6.	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the active cell at the end of each day or consolidated.	X		
(12)(C)7.	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X		
(12)(C)8.	On-site vegetation cleared only as necessary.	X		
(12)(C)9.	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	X		
(12)(C)10.	Twelve (12) inches compacted soil cover material applied at least once every seven calendar days.	X		
(12)(C)11.	Cover applied to completed areas of the landfill in a compacted layer not less than two feet thick overlain by at least one foot of soil, as required, capable of supporting vegetation.	X		
(12)(C)12.	Final side slopes not to exceed 33 1/3 percent.	X		
(12)(C)13.	Vegetation established within one hundred eighty days of application or regrading of the initial and final cover.		X	
(12)(C)14.	Regrading and recovering as necessary to maintain cover slope and integrity.	X		
(12)(C)15.	Borrow areas reclaimed in accordance with approved plans.	X		
(14)(C)1.	Solid waste handling equipment - site and operated as necessary.			X
(14)(C)1.A.	Solid waste to be compacted, if so, in layers no more than two feet thick and confined to smallest practical area.			X
(14)(C)1.B.	Waste compacted to smallest practical volume.			X
(14)(C)1.C.	Cover compacted as much as practical.			X
(14)(C)1.D.	Solid waste spread and compacted as received or at least when the accumulated waste reaches two hundred cubic yards.			X
(14)(C)1.E.	Preventative maintenance performed on equipment.			X
(14)(C)1.F.	Solid waste not disposed of in water to prohibit spreading and compaction or causing mosquito breeding problems.			X
(14)(C)1.G.	Fire extinguishers provided on all solid waste handling equipment.			X
(14)(C)1.H.	All fires in wastes being delivered to the site or which occur at the working face or within equipment extinguished.			X
(14)(C)1.I.	Scavenging prohibited.			X
(14)(C)1.J.	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.			X
(14)(C)1.K.	Traffic controlled and directed to distinguish disposing points.			X
(14)(C)1.L.	Site dust controlled for safety purposes and to prevent nuisances.			X
(14)(C)1.M.A.	Records of major problems and complaints maintained.			X
(14)(C)1.M.B.	Records of dates of cover material application maintained.			X
(14)(C)1.M.C.	Records of qualitative and quantitative evaluation of the environmental impact of the landfill, when applicable, maintained.			X
(14)(C)1.M.D.	Records of vector control efforts maintained.			X
(14)(C)1.M.E.	Records of dust and litter control efforts maintained.			X
(14)(C)1.M.F.	Records of quantity of waste received maintained.			X
(14)(C)1.M.G.	Records of quantity of waste handled maintained. Topographic map submitted every five years.			X
(14)(C)1.M.H.	Records of descriptions, source and volume of special wastes listed in subsection (3)(A) maintained.			X

REMARKS: Slight problem with soil covering. Cover material needs to be applied in a more uniform manner to prevent wastes from re-surfacing due to vehicle traffic.

BY: Kevin Arnold
Signature of Inspector

OFFICE: ST. LOUIS